

Autonomous Operating System (AOS)

Michael Lowry, (PI), Anupa Bajwa (Co-PI), Johann Schumann

Abstract:

The Autonomy Operating System (AOS) is a software system that enables core capabilities for the autonomous operations for an unmanned aircraft. It is based on the NASA cFS system and provides a higher-level layer of infrastructure and applications for the execution of flight plans, natural-language communication with Air Traffic Control, Diagnostics, Prognostics, and contingency planning

Contents: The following artifacts will be shared

- AOS Jira issue listing
- AOS git repository with version archive
- AOS Bamboo test results
- AOS Confluence electronic printout

Distribution to:

- Prof. Katerina Goseva-Popstojanova, West Virginia University (WVU), US Citizen
- Denny Hood, WVU (student), US citizen
- Noble Kwocha, NASA IV&V

Contact between NASA and WVU: NGG 175A26C